



DEPARTMENT OF VETERANS AFFAIRS

WEST LOS ANGELES HEALTHCARE  
MEDICAL CENTER

DESIGN REPLACE FOR PLUMBING SYSTEM  
BUILDING 300

VA PROJECT NUMBER #691-12-109WL  
GLUMAC PROJECT NUMBER #06.12.00135

FINAL 100% SUBMISSION  
June 20, 2012

SCHEMATIC DESIGN (35% SUBMITTAL)04/06/2012		ARCHITECT/ENGINEER/CONSULTANTS:  <b>GLUMAC</b> engineers for a sustainable future™  <small>617 West Seventh St., Suite 500 Los Angeles, CA 90017 T: 213.239.8866 F: 213.239.8816 Job No.: 06.12.00135 Contact: X www.glumac.com</small>								Drawing Title		Project Title		Project Number		 Office of Facilities Management  Department of Veterans Affairs	
SCHEMATIC DESIGN (65% SUBMITTAL)05/11/2012										COVER SHEET		BUILDING B300 DESIGN REPLACEMENT FOR PLUMBING SYSTEM		691-12-109WL			
CONSTRUCTION DOCUMENTS (100% SUBMITTAL)06/06/2012										Approved Project Director		Location WEST LOS ANGELES, CA 90073		Building Number BLDG 300			
FINAL 100% SUBMISSION06/20/2012												Date 04.06.12		Drawing Number P-0.00			
Revisions		Date															

## PLUMBING LEGEND

## DRAWING LIST

## GENERAL NOTES

- ## DEMOLITION NOTES

- ## CONSTRUCTION PHASING NOTES

- # PIPING MATERIALS

NO FOREIGN MADE PIPING MATERIALS WILL BE ACCEPTED  
REFER TO SPECIFICATIONS FOR FURTHER DETAILS ON PIPING MATERIALS

**ARCHITECT/ENGINEER/CONSULTANTS:**

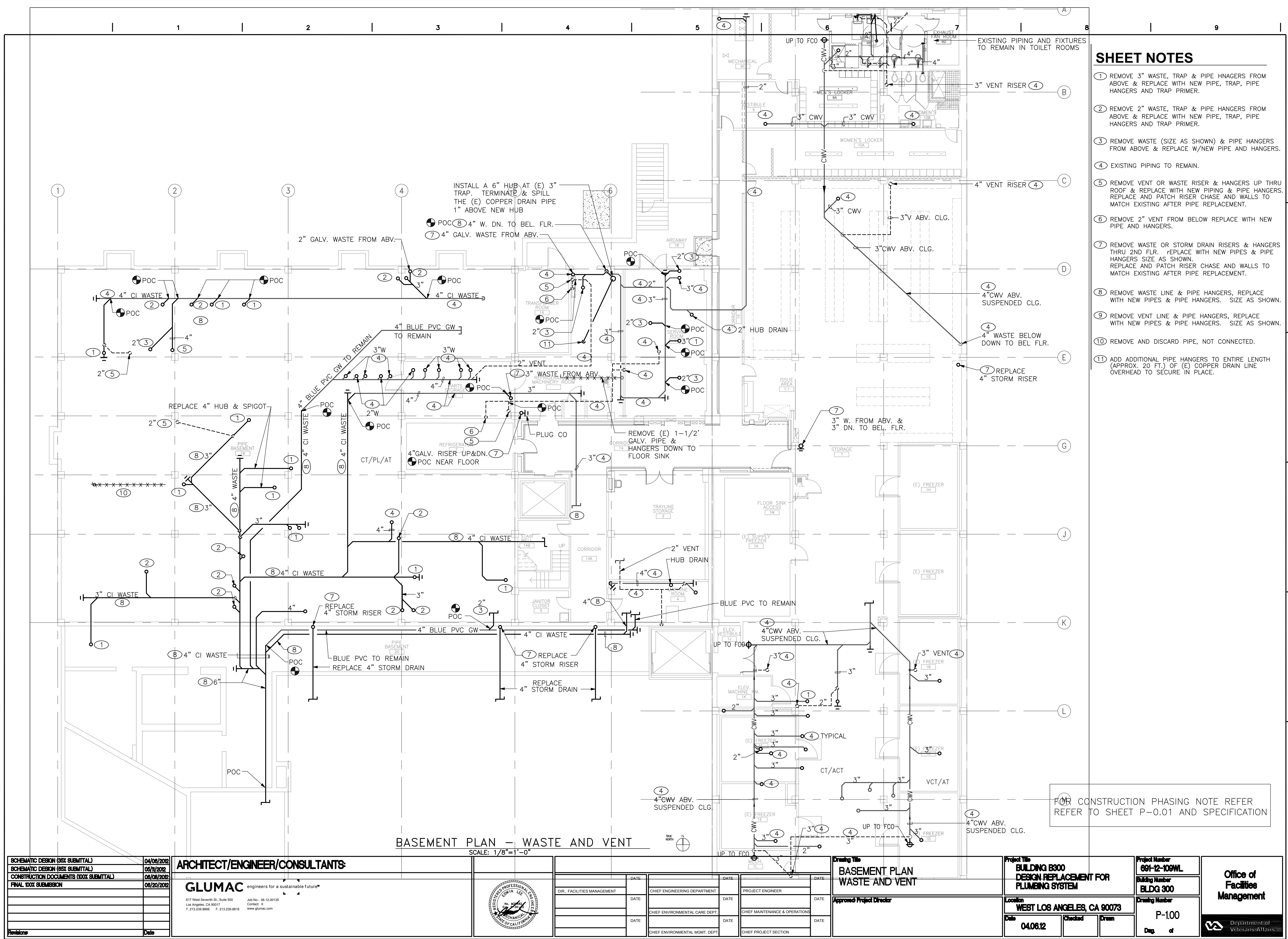
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**Approved Project Director**



VA FORM 08-6231, OCT 1978



- ① REMOVE 3" WASTE, TRAP & PIPE HANGERS FROM ABOVE & REPLACE WITH NEW PIPE, TRAP, PIPE HANGERS AND TRAP PRIMER.
- ② REMOVE 2" WASTE, TRAP & PIPE HANGERS FROM ABOVE & REPLACE WITH NEW PIPE, TRAP, PIPE HANGERS AND TRAP PRIMER.
- ③ REMOVE WASTE (SIZE AS SHOWN) & PIPE HANGERS FROM ABOVE & REPLACE W/NEW PIPE AND HANGERS.
- ④ EXISTING PIPING TO REMAIN.
- ⑤ REMOVE VENT OR WASTE RISER & HANGERS UP THRU ROOF & REPLACE WITH NEW PIPING & PIPE HANGERS. REPLACE AND PATCH RISER CHASE AND WALLS TO MATCH EXISTING AFTER PIPE REPLACEMENT.
- ⑥ REMOVE 2" VENT FROM BELOW REPLACE WITH NEW PIPE AND HANGERS.
- ⑦ REMOVE WASTE OR STORM DRAIN RISERS & HANGERS THRU 2ND FLR. REPLACE WITH NEW PIPES & PIPE HANGERS SIZE AS SHOWN. REPLACE AND PATCH RISER CHASE AND WALLS TO MATCH EXISTING AFTER PIPE REPLACEMENT.
- ⑧ REMOVE WASTE LINE & PIPE HANGERS, REPLACE WITH NEW PIPES & PIPE HANGERS. SIZE AS SHOWN.
- ⑨ REMOVE VENT LINE & PIPE HANGERS, REPLACE WITH NEW PIPES & PIPE HANGERS. SIZE AS SHOWN.
- ⑩ REMOVE AND DISCARD PIPE, NOT CONNECTED.
- ⑪ ADD ADDITIONAL PIPE HANGERS TO ENTIRE LENGTH (APPROX. 20 FT.) OF (E) COPPER DRAIN LINE OVERHEAD TO SECURE IN PLACE.

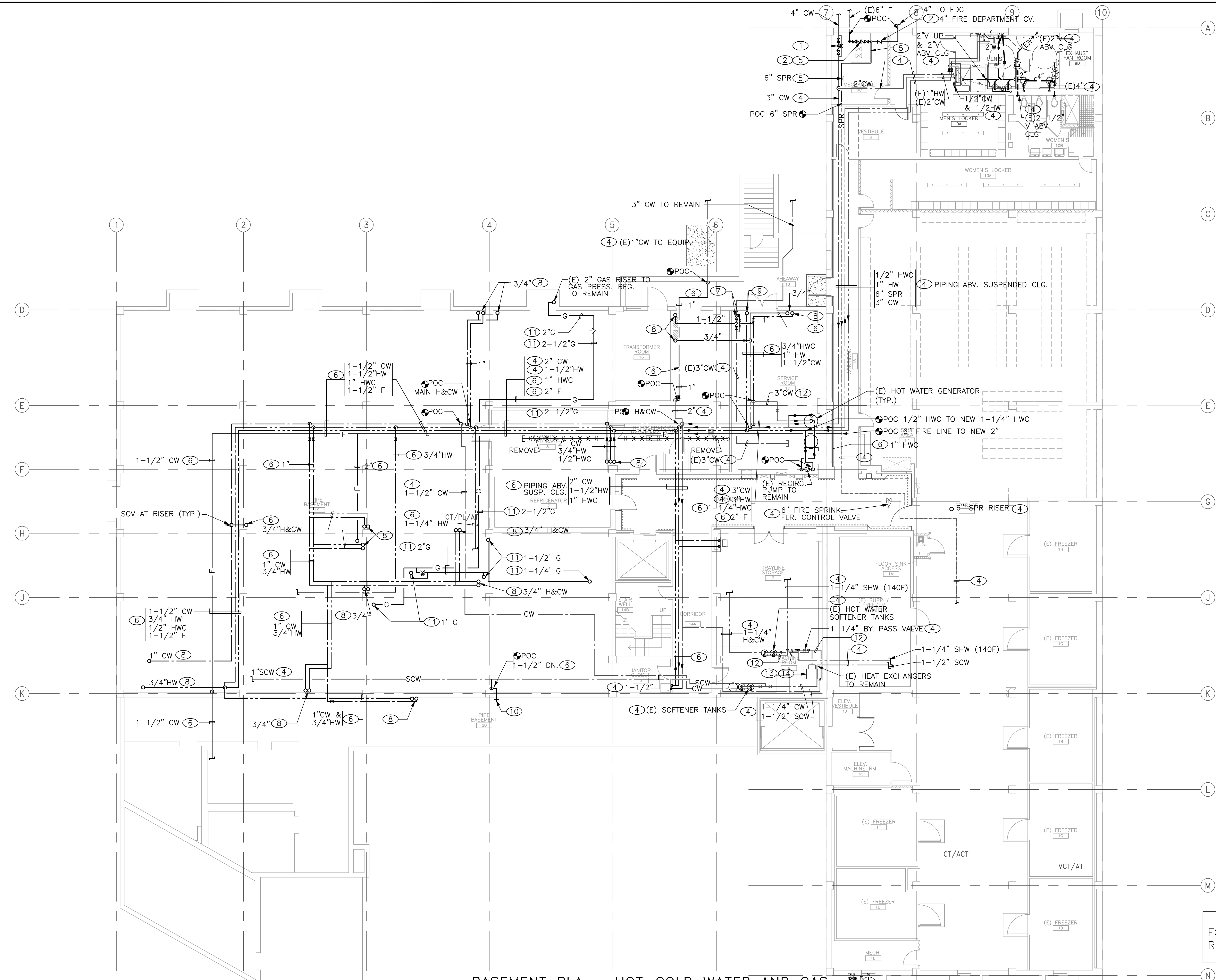
FOR CONSTRUCTION PHASING NOTE REFER  
REFER TO SHEET P-0.01 AND SPECIFICATION

BASEMENT PLAN - WASTE AND VENT

SCHEMATIC DESIGN (85% SUBMITTAL)	04/06/2012	ARCHITECT/ENGINEER/CONSULTANTS:	<div>GLUMACengineers for a sustainable future™  617 West Seventh St., Suite 500 Los Angeles, CA 90017 T: 213-239-8866 F: 213-239-8816  Job No.: 06-12-00135 Contact: X www.glumac.com</div>		<div>DIR.: FACILITIES MANAGEMENT</div> <div>DATE:</div> <div>DATE:</div> <div>DATE:</div>	<div>CHIEF ENGINEERING DEPARTMENT</div> <div>DATE:</div> <div>CHIEF ENVIRONMENTAL CARE DEPT.</div> <div>DATE:</div> <div>CHIEF ENVIRONMENTAL MGMT. DEPT.</div> <div>DATE:</div>	<div>PROJECT ENGINEER</div> <div>DATE:</div> <div>CHIEF MAINTENANCE &amp; OPERATIONS</div> <div>DATE:</div> <div>CHIEF PROJECT SECTION</div> <div>DATE:</div>	<div>Drawing Title</div> <div>BASEMENT PLAN WASTE AND VENT</div> <div>Approved Project Director</div>	<div>Project Title</div> <div>BUILDING E300 DESIGN REPLACEMENT FOR PLUMBING SYSTEM</div> <div>Location</div> <div>WEST LOS ANGELES, CA 90073</div>	<div>Project Number</div> <div>691-12-109WL</div> <div>Building Number</div> <div>BLDG 300</div> <div>Drawing Number</div> <div>P-100</div> <div>Day of</div>	<div>Office of Facilities Management</div> <div> Department of Veterans Affairs</div>
SCHEMATIC DESIGN (85% SUBMITTAL)	05/01/2012										
CONSTRUCTION DOCUMENTS (100% SUBMITTAL)	06/06/2012										
FINAL 100% SUBMISSION	06/20/2012										
Revisions:	Date										



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



SHEET NOTES

- EXISTING COLD WATER PIPING & BACKFLOW PREVENTER TO REMAIN.
- REPLACE EXISTING 6" FIRE SPRINKLER RISER, BACKFLOW PREVENTER & PIPING WITH NEW 6" UNIT. PROVIDE AND INSTALL NEW PRESSURE GAUGE.
- REPLACE EXISTING FIRE DEPARTMENT CHECK VALVE & PIPING WITH NEW UNIT.
- EXISTING PIPING TO REMAIN.
- REMOVE & REPLACE FIRE SPRINKLER MAIN AND PIPE HANGER WITH NEW PIPE, HANGERS & BRACING.
- REMOVE & REPLACE PIPING, VALVES & HANGERS W/NEW PIPES, HANGERS & VALVES, SIZE AS NOTED.
- EXISTING BACKFLOW DEVICE AND INACTIVE WATER MAIN TO REMAIN.
- REMOVE & REPLACE PIPE RISERS, VALVES AND HANGERS WITH NEW PIPE, HANGERS AND VALVES TO FIRST FLOOR. PIPE SIZE AS INDICATED.
- REMOVE & REPLACE 1/2" HOT WATER CIRCULATING RISER & HANGERS UP TO FIRST FLOOR.
- REMOVE & REPLACE HOSE BIBB WITH NEW 3/4" HOSE BIBB WITH VACUUM BREAKER AND MALE THREADED HOSE ADAPTER. ROUGH BRASS
- EXISTING NATURAL GAS PIPING TO REMAIN.
- IN THIS ROOM REMOVE ALL EXISTING BLACK RUBBER PIPE INSULATION FROM ALL HOT WATER SUPPLY AND RECIRCULATING LINES. INSULATE ALL HOT WATER SUPPLY AND RECIRCULATING PIPES AND FITTINGS WITH FIBERGLAS INSULATION.
- INSULATE ALL STEAM AND CONDENSATE RETURN LINES 8 FEET UP STREAM OF THE HEAT EXCHANGERS.
- INSULATE THE HEAT EXCHANGERS

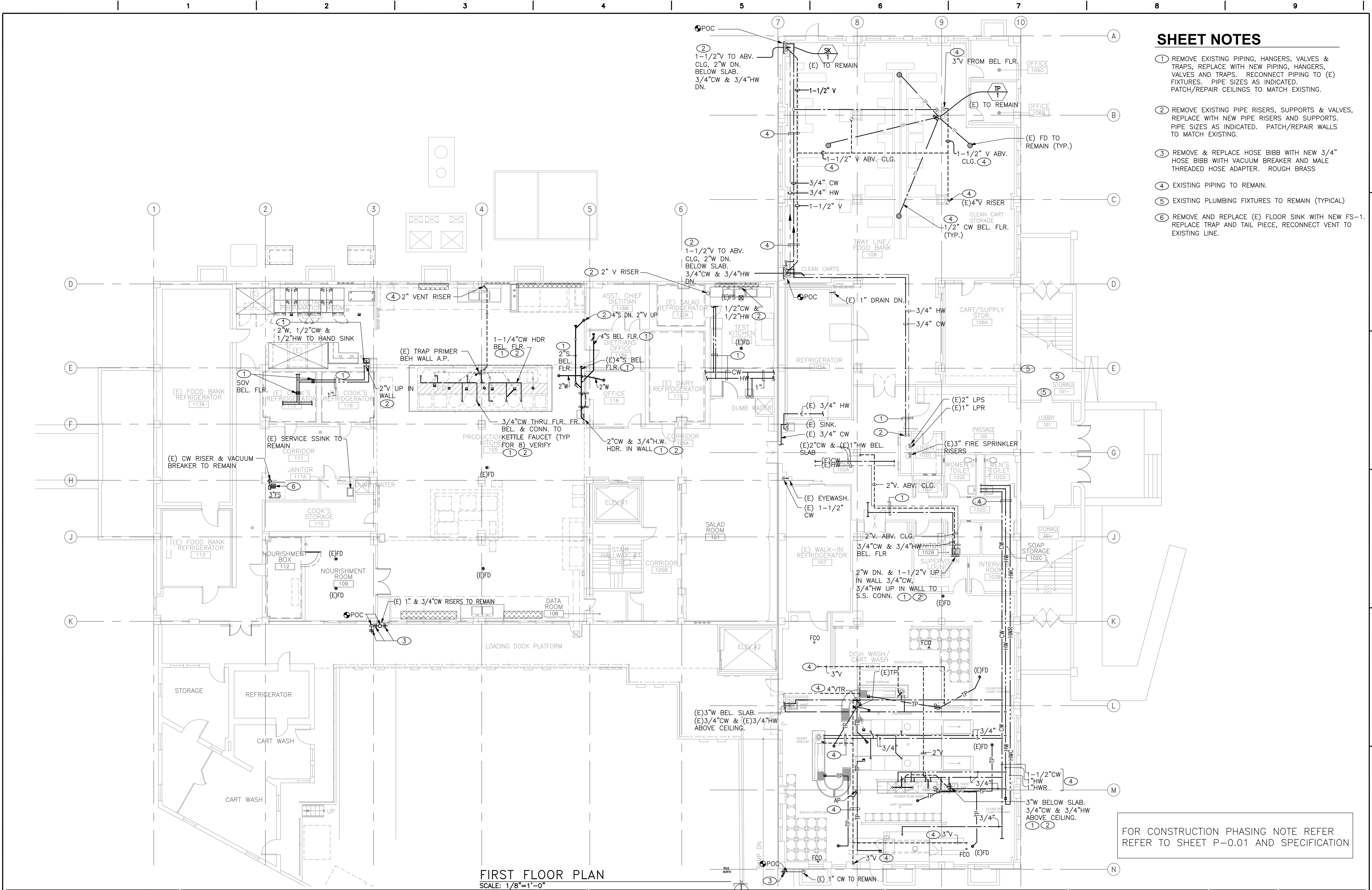
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BASEMENT PLA - HOT-COLD WATER AND GAS  
SCALE: 1/8"=1'-0"

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SCHEMATIC DESIGN (85% SUBMITTAL) 05/11/2012		GLUMAC engineers for a sustainable future™ 617 West Seventh St., Suite 500 Los Angeles, CA 90017 T: 213.239.8866 F: 213.239.8816 www.glumac.com		DATE		BASEMENT PLAN HOT-COLD WATER AND GAS		BUILDING B300 DESIGN REPLACEMENT FOR PLUMBING SYSTEM		691-12-109WL			
CONSTRUCTION DOCUMENTS (100% SUBMITTAL) 06/06/2012				DATE		Approved Project Director		WEST LOS ANGELES, CA 90073		BLDG 300			
FINAL 100% SUBMISSION 06/20/2012				DATE									
Revisions		Date		DIR. FACILITIES MANAGEMENT		CHIEF ENGINEERING DEPARTMENT		PROJECT ENGINEER		Drawing Number			
				DATE		DATE		DATE		P-101			
				DATE		DATE		DATE		04.06.12		Checked	
				DATE		DATE		DATE		Drawn			
				DATE		DATE		DATE		Dwg. of			

VA FORM 06-6231, OCT 1978

three inches = one foot  
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one eighth inch = one foot



SHEET NOTES

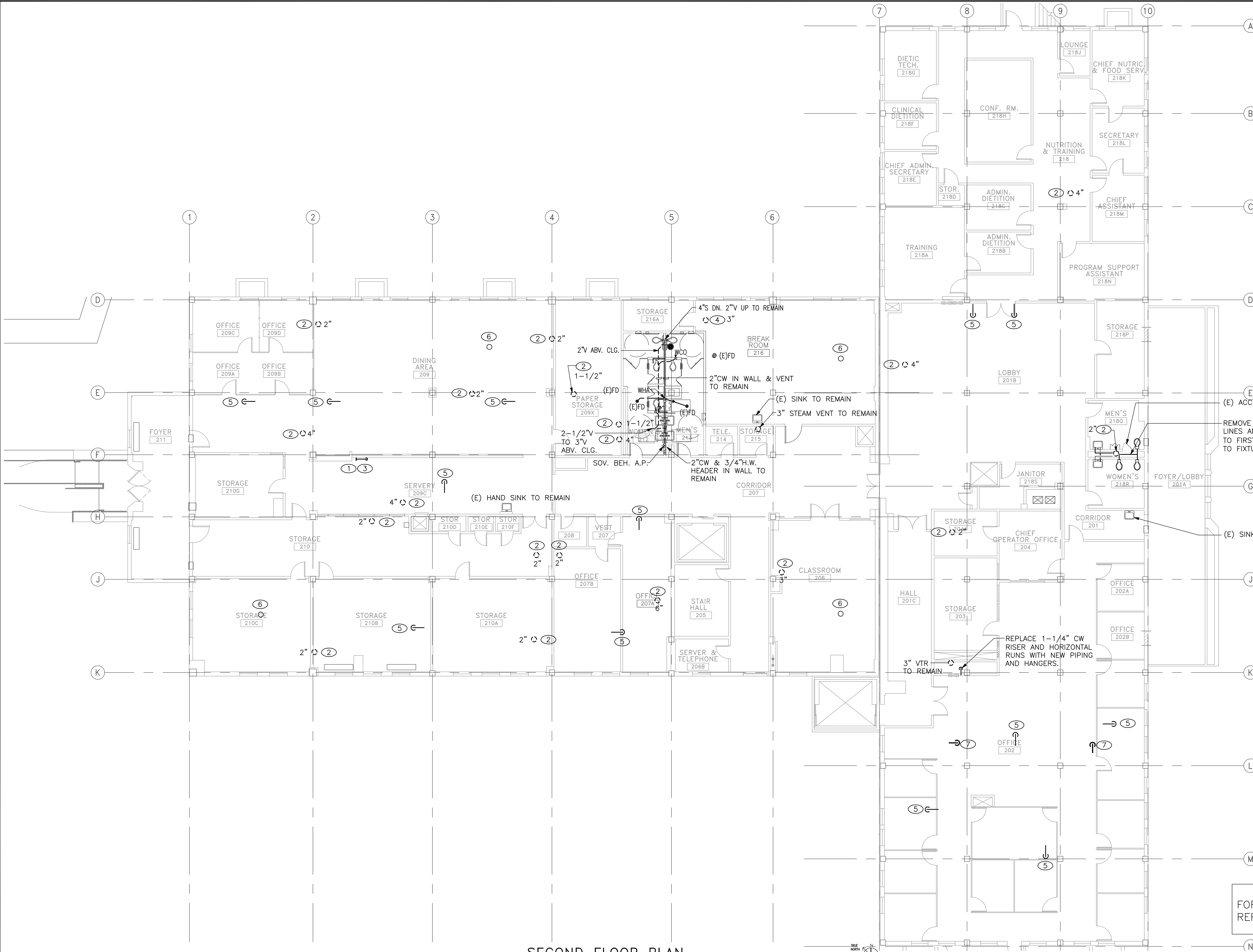
- 1 REMOVE EXISTING PIPING, HANGERS, VALVES & TRAPS, REPLACE WITH NEW PIPING, HANGERS, VALVES AND TRAPS. RECONNECT PIPING TO (E) FIXTURES. PIPE SIZES AS INDICATED. PATCH/REPAIR CEILINGS TO MATCH EXISTING.
- 2 REMOVE EXISTING PIPE RISERS, SUPPORTS & VALVES, REPLACE WITH NEW PIPE RISERS AND SUPPORTS. PIPE SIZES AS INDICATED. PATCH/REPAIR WALLS TO MATCH EXISTING.
- 3 REMOVE & REPLACE HOSE BIBB WITH NEW 3/4" HOSE BIBB WITH VACUUM BREAKER AND MALE THREADED HOSE ADAPTER. ROUGH BRASS
- 4 EXISTING PIPING TO REMAIN.
- 5 EXISTING PLUMBING FIXTURES TO REMAIN (TYPICAL)
- 6 REMOVE AND REPLACE (E) FLOOR SINK WITH NEW FS-1. REPLACE TRAP AND TAIL PIECE, RECONNECT VENT TO EXISTING LINE.

FOR CONSTRUCTION PHASING NOTE REFER TO SHEET P-0.01 AND SPECIFICATION

FIRST FLOOR PLAN  
SCALE: 1/8"=1'-0"

<b>SCHEMATIC DESIGN (65% SUBMITTAL)</b> 04/06/2012 <b>SCHEMATIC DESIGN (65% SUBMITTAL)</b> 05/11/2012 <b>CONSTRUCTION DOCUMENTS (100% SUBMITTAL)</b> 06/06/2012 <b>FINAL 100% SUBMISSION</b> 06/20/2012		<b>ARCHITECT/ENGINEER/CONSULTANTS:</b> <b>GLUMAC</b> engineers for a sustainable future™ 617 West Seventh St., Suite 500 Los Angeles, CA 90017 T: 213.239.8866 F: 213.239.8816 www.glumac.com				<table><tr><td>DATE</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td>DIR. FACILITIES MANAGEMENT</td><td>CHIEF ENGINEERING DEPARTMENT</td><td>PROJECT ENGINEER</td><td></td></tr><tr><td>DATE</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td></td><td>CHIEF ENVIRONMENTAL CARE DEPT.</td><td>CHIEF MAINTENANCE &amp; OPERATIONS</td><td></td></tr><tr><td>DATE</td><td>DATE</td><td>DATE</td><td>DATE</td></tr><tr><td></td><td>CHIEF ENVIRONMENTAL MGMT. DEPT.</td><td>CHIEF PROJECT SECTION</td><td></td></tr><tr><td>DATE</td><td></td><td></td><td></td></tr></table>		DATE	DATE	DATE	DATE	DIR. FACILITIES MANAGEMENT	CHIEF ENGINEERING DEPARTMENT	PROJECT ENGINEER		DATE	DATE	DATE	DATE		CHIEF ENVIRONMENTAL CARE DEPT.	CHIEF MAINTENANCE & OPERATIONS		DATE	DATE	DATE	DATE		CHIEF ENVIRONMENTAL MGMT. DEPT.	CHIEF PROJECT SECTION		DATE				<b>Project Title</b> <b>BUILDING B300</b> <b>DESIGN REPLACEMENT FOR</b> <b>PLUMBING SYSTEM</b>		<b>Project Number</b> <b>691-12-109WL</b> <b>Building Number</b> <b>BLDG 300</b>		<b>Office of Facilities Management</b> 	
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# SHEET NOTES

- REMOVE EXISTING PIPING, HANGERS, VALVES & TRAPS, REPLACE WITH NEW PIPING, HANGERS, VALVES AND TRAPS. RECONNECT PIPING TO (E) FIXTURES. PIPE SIZES AS INDICATED. PATCH/REPAIR CEILINGS TO MATCH EXISTING.
- REMOVE VENT RISER AND SUPPORTS THRU ROOF WITH NEW RISER AND SUPPORTS, SIZE AS INDICATED. REPAIR WALLS, CEILING AND ROOF TO MATCH EXISTING.
- REMOVE & REPLACE 3/4" COLD WATER FROM BELOW FEEDING ICE MACHINE.
- EXISTING PIPING TO REMAIN.
- REMOVE 3/4" CONDENSATE DRAIN RISER THRU ROOF AND HORIZONTAL RUNS IN SECOND FLOOR CEILING. REPLACE WITH NEW INSULATED PIPE AND SUPPORTS, REPAIR CEILING AND WALLS TO MATCH EXISTING.
- REMOVE 4" DOWNSPOUT RISER AND HORIZONTAL RUNS AND SUPPORTS, REPLACE WITH NEW PIPE AND SUPPORTS. REPAIR CEILING AND WALLS TO MATCH EXISTING.
- REMOVE 3/4" SCRUBBER DRAIN FROM ROOF AND HORIZONTAL PIPING AND HANGERS, REPLACE WITH NEW PIPING AND HANGERS. REPAIR CEILING AND WALLS TO MATCH EXISTING.

(E) ACCESS DOOR  
REMOVE AND REPALCE WASTE AND H&CW LINES AND VALVES IN PLUMBING WALL DOWN TO FIRST FLOOR. RECONNECT NEW PIPING TO FIXTURES

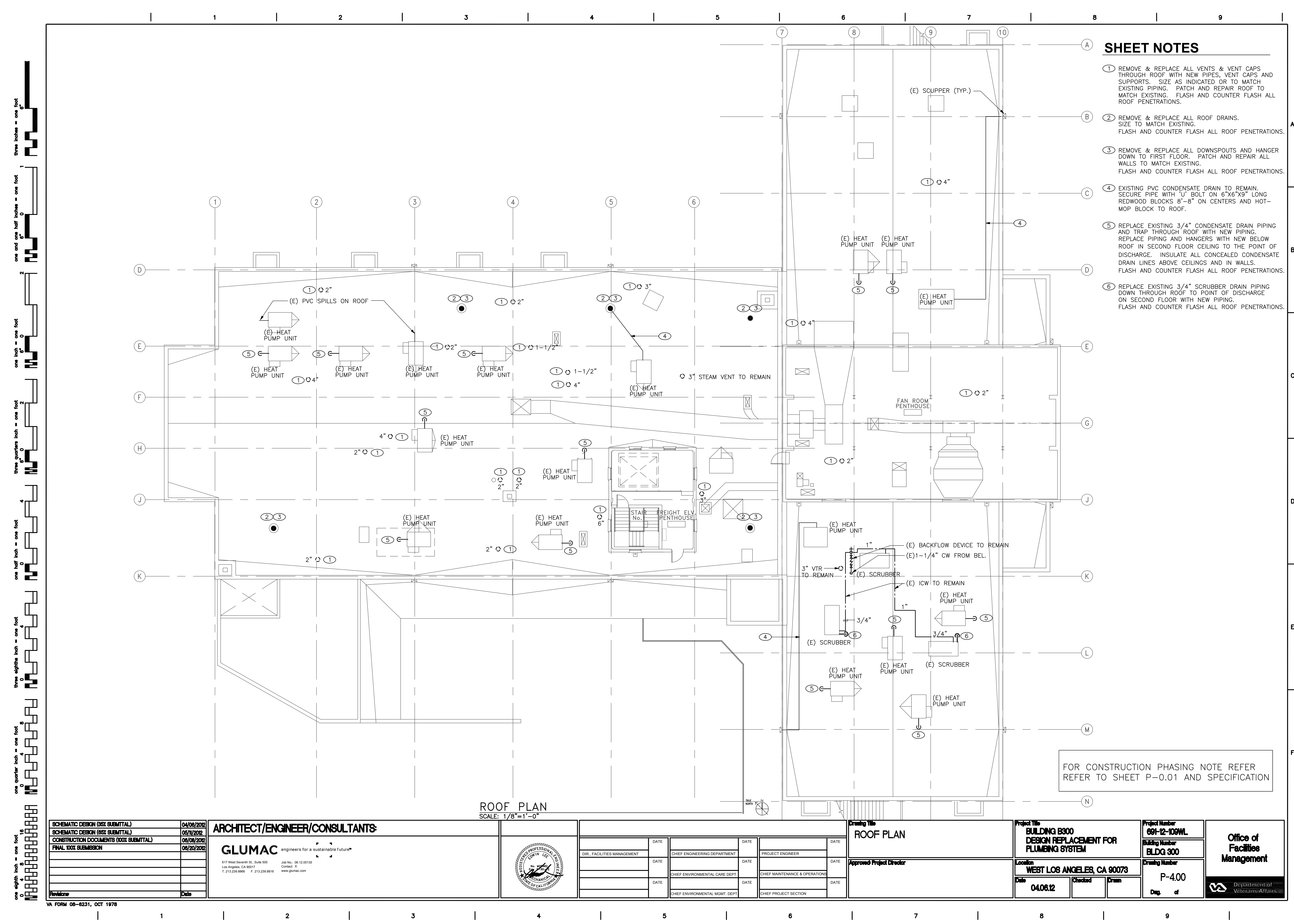
(E) SINK TO REMAIN

FOR CONSTRUCTION PHASING NOTE REFER TO SHEET P-0.01 AND SPECIFICATION

SECOND FLOOR PLAN  
SCALE: 1/8"=1'-0"

SCHEMATIC DESIGN (65% SUBMITTAL) 04/06/2012 SCHEMATIC DESIGN (65% SUBMITTAL) 05/11/2012 CONSTRUCTION DOCUMENTS (100% SUBMITTAL) 06/06/2012 FINAL 100% SUBMISSION 06/20/2012	ARCHITECT/ENGINEER/CONSULTANTS: <b>GLUMAC</b> engineers for a sustainable future™ 617 West Seventh St., Suite 500 Los Angeles, CA 90017 T: 213.239.8866 F: 213.239.8816 www.glumac.com		DIR. FACILITIES MANAGEMENT DATE CHIEF ENGINEERING DEPARTMENT DATE CHIEF ENVIRONMENTAL CARE DEPT. DATE CHIEF ENVIRONMENTAL MGMT. DEPT. DATE	CHIEF PROJECT SECTION DATE CHIEF MAINTENANCE & OPERATIONS DATE PROJECT ENGINEER DATE	Drawing Title <b>SECOND FLOOR PLAN</b> Approved Project Director	Project Title <b>BUILDING B300 DESIGN REPLACEMENT FOR PLUMBING SYSTEM</b> Location <b>WEST LOS ANGELES, CA 90073</b> Date <b>04.06.12</b> Checked Drawn	Project Number <b>691-12-109WL</b> Building Number <b>BLDG 300</b> Drawing Number <b>P-3.00</b> Dwg. of	Office of Facilities Management 
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SHEET NOTES

- 1 REMOVE & REPLACE ALL VENTS & VENT CAPS THROUGH ROOF WITH NEW PIPES, VENT CAPS AND SUPPORTS. SIZE AS INDICATED OR TO MATCH EXISTING PIPING. PATCH AND REPAIR ROOF TO MATCH EXISTING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 2 REMOVE & REPLACE ALL ROOF DRAINS. SIZE TO MATCH EXISTING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 3 REMOVE & REPLACE ALL DOWNSPOUTS AND HANGER DOWN TO FIRST FLOOR. PATCH AND REPAIR ALL WALLS TO MATCH EXISTING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 4 EXISTING PVC CONDENSATE DRAIN TO REMAIN. SECURE PIPE WITH 'U' BOLT ON 6"x6"x9" LONG REDWOOD BLOCKS 8"-8" ON CENTERS AND HOT-MOP BLOCK TO ROOF.
- 5 REPLACE EXISTING 3/4" CONDENSATE DRAIN PIPING AND TRAP THROUGH ROOF WITH NEW PIPING. REPLACE PIPING AND HANGERS WITH NEW BELOW ROOF IN SECOND FLOOR CEILING TO THE POINT OF DISCHARGE. INSULATE ALL CONCEALED CONDENSATE DRAIN LINES ABOVE CEILINGS AND IN WALLS. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.
- 6 REPLACE EXISTING 3/4" SCRUBBER DRAIN PIPING DOWN THROUGH ROOF TO POINT OF DISCHARGE ON SECOND FLOOR WITH NEW PIPING. FLASH AND COUNTER FLASH ALL ROOF PENETRATIONS.

ROOF PLAN  
SCALE: 1/8"=1'-0"

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Drawing Title
ROOF PLAN
Approved Project Director

Project Title
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Desg. of

Office of  
Facilities  
Management

